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SEQUENCE LISTING

Tito Summers, Anne O. Caguiat, Jonathan

<120> Metal Binding Proteins, Recombinant Host Cells and Methods

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<140> unassigned

<141> 2001-10-12

<150> US 60/240,465

<151> 2000-10-12

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<170> PatentIn Ver. 2.0

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<213> Shigella flexneri, Tn21 of Plasmid R100

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Leu Arg Glu Pro Asp Lys Pro Tyr Gly Ser Ile Arg Arg Tyr Gly Glu 35 40 45

Ala Asp Val Val Arg Val Lys Phe Val Lys Ser Ala Gln Arg Leu Gly
50 55 60

Phe Ser Leu Asp Glu Ile Ala Glu Leu Leu Arg Leu Asp Asp Gly Thr 75 70 65 His Cys Glu Glu Ala Ser Ser Leu Ala Glu His Lys Leu Lys Asp Val 90 85 Arg Glu Lys Met Ala Asp Leu Ala Arg Met Glu Thr Val Leu Ser Glu Leu Val Cys Ala Cys His Ala Arg Lys Gly Asn Val Ser Cys Pro Leu 120 115 Ile Ala Ser Leu Gln Gly Glu Ala Gly Leu Ala Arg Ser Ala Met Pro 140 135 130 <210> 3 <211> 321 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: chelon <400> 3 atgacacact gcgaggaggc cagcagcctg gccgaacaca agctcaagga cgtgcgcgag 60 aagatggccg acttggcgcg catggaaacc gtgctgtctg aactcgtgtg cgcctgccat 120 gcacgaaagg ggaatgtttc ctgcccgttg atcgcgtcac tacagggatc ctcaggcacc 180 cactgcgagg aggccagcag cctggccgaa cacaagctca aggacgtgcg cgagaagatg 240 geogaettgg egegeatgga aacegtgetg tetgaacteg tgtgegeetg ceatgeacga 300 aaggggaatg tttcctgccc g <210> 4 <211> 117 <212> PRT <213> Artificial Sequence <220> <223> Description of Artificial Sequence: chelon <400> 4 Met Thr His Cys Glu Glu Ala Ser Ser Leu Ala Glu His Lys Leu Lys 15 10 Asp Val Arg Glu Lys Met Ala Asp Leu Ala Arg Met Glu Thr Val Leu 20 Ser Glu Leu Val Cys Ala Cys His Ala Arg Lys Gly Asn Val Ser Cys 35 Pro Leu Ile Ala Ser Leu Gln Gly Ser Ser Gly Thr His Cys Glu Glu

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Ala Ser Ser Leu Ala Glu His Lys Leu Lys Asp Val Arg Glu Lys Met 65 Ala Asp Leu Ala Arg Met Glu Thr Val Leu Ser Glu Leu Val Cys Ala Cys His Ala Arg Lys Gly Asn Val Ser Cys Pro Ser Ala Trp Ser His Pro Gln Phe Glu Lys 115 <210> 5 <211> 117 <212> PRT <213> Artificial Sequence <223> Description of Artificial Sequence: chelon Met Thr His Cys Glu Glu Val Ser Ser Leu Ala Glu His Lys Leu Lys Asp Val Arg Glu Lys Met Ala Asp Leu Ala Arg Met Glu Thr Val Leu Ser Glu Leu Val Cys Ala Cys His Ala Arg Lys Gly Asn Val Ser Cys 35 Pro Leu Ile Ala Ser Leu Gln Gly Ser Ser Gly Thr His Cys Glu Glu Val Ser Ser Leu Ala Glu His Lys Leu Lys Asp Val Arg Glu Lys Met 70 Ala Asp Leu Ala Arg Met Glu Thr Val Leu Ser Glu Leu Val Cys Ala 90 Cys His Ala Arg Lys Gly Asn Val Ser Cys Pro Ser Ala Trp Ser His 105 100 Pro Gln Phe Glu Lys

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Glu Ala Ser Ser Leu Val Glu His Lys Leu Lys Asp Val Arg Glu Lys 70

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Ser Glu Leu Val Cys Ala Cys His Ala Arg Lys Gly Asn Val Ser Cys

Pro Leu Ile Ala Ser Leu Gln Gly Ser Ser Gly Thr His Cys Glu Glu 50

Ala Ser Ser Leu Ala Glu His Lys Leu Lys Asp Val Arg Glu Thr Met 65

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Pro Leu Ile Ala Ser Leu Gln Gly Ser Ser Gly Thr His Cys Glu Glu

Ala Ser Ser Leu Ala Glu His Lys Leu Lys Asp Val Arg Glu Gln Met 70

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Ala Ser Ser Leu Ala Glu His Lys Leu Lys Asp Val Arg Glu Lys Met 70 75 80	
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